

# **RULE 412 REGISTRATION REQUIREMENTS FOR STATIONARY AND PORTABLE COMPRESSION IGNITION ENGINES USED IN AGRICULTURAL OPERATIONS**

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## 100 GENERAL

**101 PURPOSE:** To establish procedures for the issuance of Certificate(s) of Registration for stationary and portable compression ignition (CI) engines utilized in Agricultural Operations within the District.

## 102 APPLICABILITY

102.1 Geographic: The provisions of this rule apply to agricultural operations located anywhere in Placer County.

102.2 Application: This rule applies to all stationary and portable CI engines rated at greater than 50 brake horsepower (bhp) that are used in Agricultural Operations within the District.

102.3 Severability: If any section, subsection, sentence, clause, phrase or portion of this rule is, for any reason, held invalid, unconstitutional, or unenforceable by any court of competent jurisdiction, that portion shall be deemed as a separate, distinct and independent provision, and the holding shall not affect the validity of the remaining portions of the rule.

## 103 EXEMPTIONS:

103.1 Exemption, Agricultural Wind Machines: The provisions of this rule shall not apply to any CI engine used to power an agricultural wind machine.

103.2 Exemption, Emergency Stand-By Engines: The provisions of this rule shall not apply to emergency stand-by CI engines operated either during an emergency or maintenance operation.

## 200 DEFINITIONS

**201 AGRICULTURAL OPERATIONS:** Growing and harvesting of crops or the raising of fowl or animals for the primary purpose of making a profit, providing a livelihood, or conducting agricultural research or instruction by an educational institution. Agricultural operations do not include activities involving the processing or distribution of crops or fowl.

**202 AIR POLLUTION CONTROL OFFICER (APCO):** The Air Pollution Control Officer of the Placer County Air Pollution Control District, or designee.

**203 CERTIFICATE OF REGISTRATION:** A certificate issued by the APCO acknowledging expected compliance with the applicable requirements of this Rule at the time the certificate is issued.

**204 CI ENGINE:** A compression-ignited two or four-stroke engine in which liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition.

**205 EMERGENCY STAND-BY ENGINE:** A CI engine used only as follows:

205.1 When normal power line or natural gas service fails;

205.2 For the emergency pumping of water for either fire protection or flood relief.

An emergency stand-by engine may not be operated to supplement a primary power source when the load capacity or rating of the primary power source has either been reached or exceeded.

- 206 ENGINE RATING:** The output of an engine as determined by the engine manufacturer and listed on the nameplate of the engine.
- 207 IN-USE ENGINE:** A stationary or portable CI engine whose installation or use commenced prior to the date of the adoption of this rule.
- 208 MAINTENANCE OPERATION:** The use of an emergency stand-by engine and fuel system during testing, repair and routine maintenance to verify its readiness for emergency stand-by use.
- 209 NEW ENGINE:** A stationary or portable CI engine whose installation or use commenced after the date of adoption of this rule.
- 210 PORTABLE CI ENGINE:** Portable means designed and capable of being carried or moved from one location to another. Indicia of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. For the purposes of this rule, a portable engine must be used exclusively at agricultural sources under common ownership.
- 211 RESIDENTIAL AREA:** A residential area is defined as three or more permanent residences (i.e., homes) located anywhere outside the agricultural operation's property.
- 212 SCHOOL:** School or school grounds means any public or private school used for purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home. School grounds includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
- 213 STATIONARY CI ENGINE:** A CI engine that is designed to stay in one location, or remains in one location.
- 300 STANDARDS**
- 301 REGISTRATION:** By the applicable compliance schedules specified in Section 401 of this rule, the owner or operator of a new or in-use stationary or portable agricultural CI engine to which this rule is applicable, shall submit a complete registration application to the District.
- 400 ADMINISTRATIVE REQUIREMENTS**
- 401 COMPLIANCE SCHEDULES**
- 401.1 Compliance Schedule: In-Use Engines: Owners or operators of in-use stationary or portable agricultural CI engines shall comply with the provisions of Section 301 of this rule by March 1, 2008.
- 401.2 Compliance Schedule: New Engines: Owners or operators of new stationary or portable agricultural CI engines shall comply with the provisions of Section 301 of this rule within 90 days of installation.
- 401.3 Certificate Renewal: Certificates of Registration shall be valid for a period of three (3) years from the date issued and shall be renewable upon payment of all applicable fees, submittal of information requested, and verification that the engine is in compliance with all District requirements.
- 401.4 Fees: A fee shall be required for registration and renewals pursuant to Rule 601, PERMIT FEES – STATIONARY SOURCE.

**402 REPORTING REQUIREMENTS:** As part of the registration application, each owner or operator subject to the provisions of this rule shall provide the APCO the following data:

- 402.1 Date of registration application submittal;
- 402.2 Name, title (as applicable), and signature of person submitting the registration application;
- 402.3 Name, mailing address and telephone number of the engine owner and of the operator, if the owner is not also the operator;
- 402.4 Date of installation or anticipated installation;
- 402.5 Year of manufacture, or approximate age if unable to determine year of manufacture;
- 402.6 Make, model and serial number;
- 402.7 Maximum rated brake horsepower;
- 402.8 Certification status with respect to Off-Road CI Engine Certification Standards (Title 13, California Code of Regulations, Section 2413) if available;
- 402.9 Estimated annual average operating hours;
- 402.10 Each fuel used and estimated annual average gallons of each fuel used, if alternative diesel fuels are used;
- 402.11 Location description that clearly identifies the location of the engine, which includes at least one of the following: latitude and longitude; universal trans meridian (UTM) coordinates; global positioning satellite data (GPS); address, town and nearest cross streets and distance and direction from the cross streets to the engine; parcel or plot number/designation; or other complete description that clearly identifies the location of the engine. For portable engines, provide information for each use location;
- 402.12 For an engine located within one-quarter mile (1,320 feet) of a receptor location (residential area, school, or hospital):
  - 402.12.1 Distance (in meters or feet) from engine to a receptor location;
  - 402.12.2 Direction from engine to a receptor location;
  - 402.12.3 Location of engine and receptor that clearly identifies each location, including at least one of the following for each: latitude and longitude; universal trans meridian (UTM) coordinates; global positioning satellite data (GPS); address, town and nearest cross streets and distance and direction from the cross streets to the engine and receptor location; or other complete description that clearly identifies the locations.

**403 CERTIFICATE SCHEDULE:** The APCO or his appointed representative shall issue a Certificate of Registration, deny the issuance of a Certificate of Registration, or deem the application incomplete within ninety (90) days of the receipt of an application. The applicant shall be notified in writing of the reasons for denial of the registration or finding an application to be incomplete.

- 404 ON-SITE INSPECTIONS:** The District may conduct an on-site inspection of the engine to verify compliance with District Regulations and State law.
- 405 NOTIFICATION REQUIREMENTS:** The owner or operator of a registered CI engine shall notify the District in writing no later than 14 days after any change of owner or operator, change in location, installation or commencement of an emissions control strategy, replacement of the engine with a new CI engine, or replacement with an electric motor or non-CI engine.
- 406 VIOLATIONS:** Failure to comply with any provision of this rule shall constitute a violation of this rule.